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## PLAQUE-PREVENTION WORK.

### Further Relative to Plague Case.<sup>1</sup>

The case of illness, clinically plague, in Contra Costa County, Cal., which was reported July 25, 1911, ended fatally July 26. The case was verified bacteriologically as plague July 31, 1911.

### INFECTED GROUND SQUIRRELS.

During the week ended July 22, 1911, the finding of 4 plague-infected ground squirrels was reported as follows: In Alameda County, Cal., at Otis and Mastick ranch, 2 miles northwest of Decoto, June 29, 1 squirrel, and at People's Water Co. land, July 13, 1 squirrel; in Contra Costa County, Cal., at Mahoney ranch, 3 miles southwest of Pinole, July 12, 1 squirrel, and at Tormey ranch, 2 miles southwest of Crockett, July 18, 1 squirrel; in Merced County, at Halloway ranch, 4 miles south of Los Banos, July 13, 1 squirrel.

During the week ended July 29, 1911, the finding of 7 plague-infected ground squirrels was reported as follows: In Alameda County, Cal., July 21, at J. Dibble ranch, 3 miles north of Decoto, 1 squirrel, and July 24, at A. S. De Silva ranch, 4½ miles northwest of Decoto and 1½ miles east of Haywards, 1 squirrel; in Contra Costa County, Cal., July 21, at Fernandez ranch, 1 mile south of Pinole, 1 squirrel, July 24, at People's Water Co. land, 3 miles southeast of Pinole, 2 squirrels, July 25, at Fassler ranch, 2 miles east of Pinole, 1 squirrel, and July 27, at Buckley ranch, 4 miles east of Berkeley, 1 squirrel.

### DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay, 3,400 acres of land in Alameda County and 1,820 acres in Contra Costa County were covered with poison during the week ended July 22, 1911.

During the same period 205 acres of land in Merced County were covered with poison for the purpose of eradicating plague foci.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay, 3,400 acres of land in Alameda County and 1,974 acres in Contra Costa County were covered with poison during the week ended July 29, 1911.

In Merced County, Cal., during the week ended July 29, 1911, 235 acres of land and in San Benito County, Cal., 175 acres of land were covered with poison for the purpose of eradicating plague foci.

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<sup>1</sup> Public Health Report, Aug. 4, 1911, p. 1167.

August 18, 1911

1250

## Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
<b>California:</b>				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	.....do.....	126 rats.
Berkeley.....	Aug. 27, 1907.....	None.....	.....do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.	July 24, 1911.....	107 squirrels; 1 wood rat.
Contra Costa.....	July 21, 1911.....	None.....	July 27, 1911.....	260 squirrels.
Merced.....	None.....	do.....	July 13, 1911.....	5 squirrels.
Monterey.....	do.....	do.....	June 6, 1910.....	4 squirrels.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911.....	22 squirrels.
San Joaquin.....	None.....	do.....	June 29, 1911.....	17 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	1 squirrel.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	23 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910.....	3 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911.....	13 squirrels.
<b>Washington:</b>				
Cities—				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	22 rats.

## Rats Collected and Examined for Plague Infection.

Places.	Week ended.	Found dead.	Total collected.	Examined.	Found infected.
<b>California:</b>					
Cities—					
Berkeley.....	July 22.....	.....	<sup>1</sup> 122	75	.....
Oakland.....	do.....	43	<sup>2</sup> 622	493	.....
San Francisco.....	do.....	28	<sup>3</sup> 1,815	1,207	.....
Counties—					
Alameda.....	do.....	.....	<sup>4</sup> 2	2	.....
<b>Washington:</b>					
Cities—					
Seattle.....	do.....	.....	905	977	.....
<b>California:</b>					
Cities—					
Berkeley.....	July 29.....	.....	<sup>5</sup> 145	70	.....
Oakland.....	do.....	33	<sup>6</sup> 639	471	.....
San Francisco.....	do.....	21	<sup>7</sup> 1,832	1,196	.....
Counties—					
Contra Costa.....	do.....	.....	<sup>8</sup> 1	1	.....
<b>Washington:</b>					
Cities—					
Seattle.....	do.....	.....	996	849	.....

<sup>1</sup> Identified, *Mus norvegicus* 75, *Mus musculus* 47.<sup>2</sup> Identified, *Mus norvegicus* 561, *Mus musculus* 60, *Mus alexandrinus* 1.<sup>3</sup> Identified, *Mus norvegicus* 1,051, *Mus musculus* 399, *Mus rattus* 177, *Mus alexandrinus* 188.<sup>4</sup> Identified, *Mus norvegicus* 2.<sup>5</sup> Identified, *Mus norvegicus* 100, *Mus musculus* 45.<sup>6</sup> Identified, *Mus norvegicus* 560, *Mus musculus* 71.<sup>7</sup> Identified, *Mus norvegicus* 1,040, *Mus musculus* 380, *Mus rattus* 225, *Mus alexandrinus* 187<sup>8</sup> Identified, *Mus norvegicus* 1.

## Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
<b>California:</b>					
Counties—					
Alameda.....	July 22	290	19	309	2
Butte.....	do.....	7	.....	7	.....
Contra Costa.....	do.....	649	433	886	2
Glenn.....	do.....	195	.....	190	.....
Lake.....	do.....	200	.....	200	.....
Mendocino.....	do.....	196	4	200	.....
Merced.....	do.....	10	9	19	1
Monterey.....	do.....	541	12	458	.....
Plumas.....	do.....	37	.....	37	.....
San Benito.....	do.....	130	.....	130	.....
San Joaquin.....	do.....	19	.....	19	.....
San Luis Obispo.....	do.....	223	.....	223	.....
Sonoma.....	do.....	43	.....	43	.....
Stanislaus.....	do.....	266	.....	266	.....
Sutter.....	do.....	37	.....	37	.....
Tehama.....	do.....	46	.....	46	.....
Tuolumne.....	do.....	16	.....	16	.....
Yolo.....	do.....	103	.....	103	.....
<b>Nevada:</b>					
Counties—					
Douglas.....	do.....	16	.....	16	.....
Ormsby.....	do.....	69	.....	69	.....
<b>Oregon:</b>					
Counties—					
Jackson.....	do.....	22	.....	22	.....
Total.....		3,115	477	3,296	5
<b>California:</b>					
Counties—					
Alameda.....	July 29	381	106	441	2
Butte.....	do.....	24	.....	24	.....
Contra Costa.....	do.....	867	162	719	5
Glenn.....	do.....	206	.....	198	.....
Lake.....	do.....	189	.....	185	.....
Mendocino.....	do.....	199	9	191	.....
Merced.....	do.....	15	.....	15	.....
Monterey.....	do.....	519	.....	412	.....
Plumas.....	do.....	42	.....	42	.....
San Benito.....	do.....	85	3	88	.....
San Joaquin.....	do.....	19	.....	19	.....
San Luis Obispo.....	do.....	143	.....	123	.....
Sonoma.....	do.....	51	.....	51	.....
Stanislaus.....	do.....	250	.....	194	.....
Sutter.....	do.....	23	.....	23	.....
Tehama.....	do.....	61	.....	59	.....
Yolo.....	do.....	148	.....	130	.....
<b>Nevada:</b>					
Counties—					
Douglas.....	do.....	51	.....	51	.....
Washoe.....	do.....	103	.....	103	.....
<b>Oregon:</b>					
Counties—					
Jackson.....	do.....	30	.....	30	.....
Total.....		3,406	280	3,098	7

## Other Animals Collected and Examined.

Places.	Week ended—	Animals collected.	Examined.	Found infected.
<b>California:</b>				
Counties—				
Contra Costa.....	July 22.	5 rabbits.....	5	.....
Glenn.....	do.....	2 rabbits.....	2	.....
Lake.....	do.....	3 rabbits.....	3	.....
Monterey.....	do.....	1 rabbit, 1 wood rat, 3 kangaroo rats.....	5	.....
Plumas.....	do.....	6 chipmunks.....	6	.....
San Joaquin.....	do.....	16 rabbits.....	16	.....
San Luis Obispo.....	do.....	2 rabbits.....	2	.....
Sonoma.....	do.....	1 rabbit.....	1	.....
Stanislaus.....	do.....	11 rabbits.....	11	.....
Tehama.....	do.....	6 rabbits.....	6	.....
Yolo.....	do.....	do.....	6	.....
Total.....			63	.....
Contra Costa.....	July 29.	5 rabbits, 1 gopher.....	6	.....
Glenn.....	do.....	9 rabbits.....	9	.....
Lake.....	do.....	7 rabbits.....	7	.....
Monterey.....	do.....	2 rabbits, 1 kangaroo rat.....	3	.....
Plumas.....	do.....	4 chipmunks, 2 field mice.....	6	.....
San Joaquin.....	do.....	6 rabbits, 1 wood rat.....	7	.....
San Luis Obispo.....	do.....	5 rabbits.....	5	.....
Sonoma.....	do.....	2 rabbits.....	2	.....
Stanislaus.....	do.....	14 rabbits.....	14	.....
Sutter.....	do.....	1 rabbit.....	1	.....
Tehama.....	do.....	14 rabbits.....	14	.....
Yolo.....	do.....	9 rabbits.....	9	.....
Total.....			83	.....

## SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city, and in some cases county, boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

## Reports Received During Week Ended Aug. 18, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>California:</b>				
Counties—				
Los Angeles.....	June 1-30.....	2		
San Francisco.....	do.....	1		
Total for State.....		3		
<b>Iowa:</b>				
Counties—				
Adams.....	June 1-30.....	18		
Appanoose.....	do.....	1		
Blackhawk.....	do.....	4		
Carroll.....	do.....	1		
Davis.....	do.....	3		
Decatur.....	do.....	1		
Fremont.....	do.....	11		
Henry.....	do.....	1		
Johnson.....	do.....	4		
Lee.....	do.....	1		
Linn.....	do.....	4		
Marshall.....	do.....	4		
Mills.....	do.....	1	1	
Polk.....	do.....	11		
Pottawattamie.....	do.....	8		
Scott.....	do.....	3		